

## HUMAN POSH-LIKE PROTEIN 1

### 5 ABSTRACT

The invention provides isolated nucleic acids that encode human POSHL1, and fragments thereof, vectors for propagating and expressing human POSHL1 nucleic acids, host  
10 cells comprising the nucleic acids and vectors of the present invention, proteins, protein fragments, and protein fusions of the novel human POSHL1 isoforms, and antibodies thereto. The invention further provides transgenic cells and non-human organisms comprising human POSHL1 nucleic acids, and transgenic  
15 cells and non-human organisms with targeted disruption of the endogenous orthologue of the human POSHL1 gene. The invention further provides pharmaceutical formulations of the nucleic acids, proteins, and antibodies of the present invention, and diagnostic, investigational, and therapeutic methods based on  
20 the human POSHL1 nucleic acids, proteins, and antibodies of the present invention.